SW6 YUV A

Six Input Component Video and Digital Audio Switcher

FEATURES

- **Inputs: Six sets of female BNC connectors for component video and digital audio**
- **Outputs: Female BNC connectors**
- **350 MHz (-3 dB) video bandwidth**
- **Autoswitching capabilities**
- **RS-232 and contact closure remote control**
- **Automatically detects active inputs and transmits this information through the RS-232 port**
- **HDTV compatible**
- **Also compatible with RGBS, RGsB, RsGsBs, and SCART video signals**
- **1U, full rack width metal enclosure**
- **Internal international power supply**

DESCRIPTION

The Extron **SW6 YUV A** is a six input, one output component video and digital audio switcher for DVD and HDTV signal switching. With 350 MHz (-3 dB) of bandwidth, the SW6 YUV A is also compatible with RGBS, RGsB, RsGsBs, and SCART video signals.

The SW6 YUV A is user-configurable for manual or autoswitching modes. The autoswitch function can be enabled or disabled via a toggle switch on the back panel. Autoswitching allows any input to be selected automatically when the switcher detects a sync signal. For example, a number of wall plate receptacles can be installed around a room, each routed to a different input of a switcher. As soon as an active RGB source is connected to the wall plate, the switcher automatically selects that input.

The SW6 YUV A can be controlled via front panel buttons or through a 9-pin remote control port. The 9-pin female D connector enables RS-232 control, as well as contact closure, and is compatible with the Extron KP 6 Keypad Remote Control and the Extron IR 102 Infrared Remote. The SW6 YUV A comes in a full rack width, 1U, metal enclosure that can be mounted onto a rack without any additional hardware.

SPECIFICATIONS

VIDEO

Gain	Unity.
Bandwidth	350 MHz (-3 dB)
Crosstalk	-70dB @ 10 MHz
Switching speed	5 ms (max.)

VIDEO INPUT

Number / Signal type	6 HDTV component video and digital audio or RGBS, RGsB, RsGsBs, component video, S-video, composite video
Connectors	6 x 4 female BNC
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB 0.3 Vp-p for R-Y and B-Y of component video, and for C of S-video
Minimum / Maximum levels	Analog: 0.3 V to 1.5 Vp-p with no offset
Impedance	75 ohms
Return loss	<-30 dB @ 10 MHz
DC offset (max. allowable)	5.0V
Input coupling	DC

VIDEO OUTPUT

Number / Signal type	1 HDTV component video and digital audio or RGBS, RGsB, RsGsBs, component video, S-video, composite video
Connectors	4 BNC female
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB 0.3 Vp-p for R-Y and B-Y of component video, and for C of S-video
Minimum / Maximum levels	0.5 V to 1.5 Vp-p (follows input)
Impedance	75 ohms
Return loss	<-30 dB @ 10 MHz
DC offset	±5 mV maximum with input at 0 offset

SYNC

Input type	RGBS, RGsB, RsGsBs, bi-level and tri-level sync
Output type	RGBS, RGsB, RsGsBs, bi-level and tri-level sync
Input level	Analog or TTL, 0.5 V to 5.0 Vp-p
Output level	5.0 Vp-p, unterminated, for V output; H output follows input
Input impedance	510 ohms for V input and unselected H input; the selected H input impedance is determined by the device connected to the H output.
Output impedance	75 ohms for V output; the H output impedance is determined by the device connected to the selected H input.
Max input voltage	5.0 Vp-p
Max. propagation delay	35 ns
Max. Rise / Fall time	4 ns
Polarity	Positive or negative (follows input)

DIGITAL AUDIO

Input type	Dolby Digital, DTS, AES/EBU
Output type	Dolby Digital, DTS, AES/EBU
Bandwidth	250 MHz (-3 dB)
Sampling rates	32, 44.1, 48, 96 kHz
Input level	0.5 V to 5.0 Vp-p
Output level	2.5 Vp-p (when terminated with 75 ohms)
Input impedance	510 ohms for unselected inputs; for the selected input, impedance is determined by the device connected to the output
Output impedance	Determined by the device connected to the selected input
Max input voltage	5.0 Vp-p
Max. propagation delay	35 ns
Max. Rise / Fall time	4 ns

CONTROL / REMOTE – SWITCHER

Serial control port	RS-232, 9-pin female D connector (same as the contact closure port)
Baud rate and protocol	9600 baud, 8 data bits, 1 stop bit, no parity
Contact closure	9-pin female D connector (same as the RS-232 port)
Program control	Extron's control/configuration program for Windows® Extron's Simple Instruction Set (SIS™)

GENERAL

Power	100 VAC to 240 VAC, 50/60 Hz, 20 watts, internal, autoswitchable
Rack mount	Yes, with included bracket kit, part #70-077-03
Enclosure type	Metal
Enclosure dimensions	1.75" H x 17.5" W x 8.5" D (1U high, full rack wide) 4.4 cm H x 44.5 cm W x 21.6 cm D (Depth excludes connectors.)
Product / Shipping weight	7.0 lbs (3.2 kg) / 12 lbs (6 kg)

MODEL

MODEL	VERSION DESCRIPTION	PART #
SW6 YUV A	Six Input YUV & Digital Audio	60-498-01

INCLUDED ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
MBD 149	1U, Full Rack Width, Rack Mount and Through-Desk Kit for Four-Piece Enclosure	page 757	70-077-03

OPTIONAL ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
CCR 306	Six-Button Contact Closure Remote	page 281	60-795-02
KP 6	Keypad Remote Control	page 281	60-111-20
IR 102 Remote Control Kit	IR to RS-232 or Contact Closure Conversion Kit	page 276	70-224-01
SVHSM-BNCF 8" (20 cm)	S-Video Male to 2 BNC Female Adapter	page 738	26-353-01

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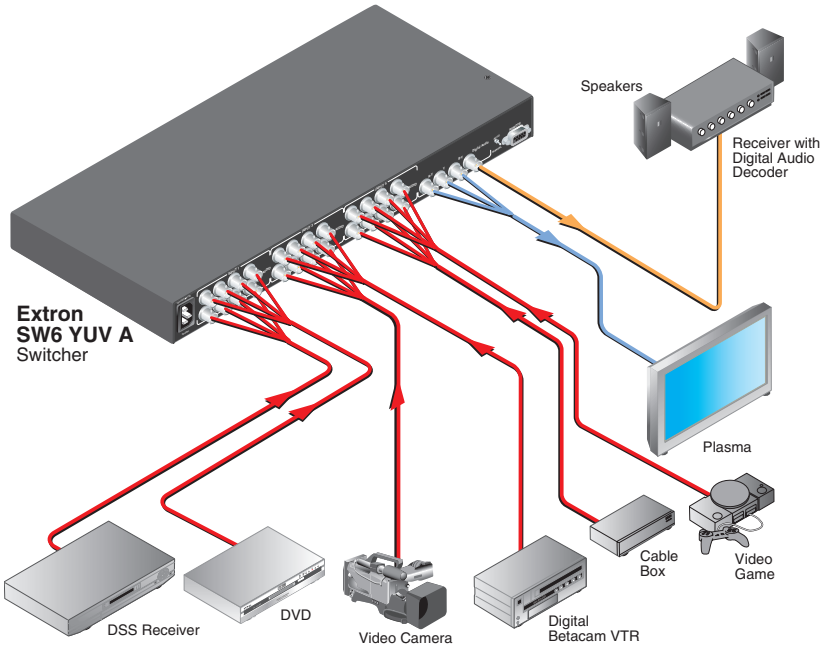

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